ALTER WING PLANS

ELECTRICAL PLAN NOTES
Drawing Sheet #6 Rev.

Revised 3 September 2003

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

1. *Deleted.*

2. *Deleted.*

3. Circuit #1. Extend, from the new conduit and wires run above the Hallway and Classroom ceilings, EMT electrical conduits with compression fittings and wires for 1 each single phase, 110 volt, 20 amp power circuit in the Computer Room. Circuit #1 is to power 2 each, new duplex outlets on the south wall of the Computer Room. Circuit #1 is to also power an outlet above the Classroom ceiling. The outlet cover plates are to match the existing bushed stainless steel outlet covers. All conductors are to be copper wires with THHN or THWN insulation. Ensure that all wires are well marked. Size wires and conduit in accordance with the current edition of the National Electric Code. Attach a laminated plastic nameplate to the Outlet Cover Plate identifying the Circuit number and Circuit Breaker Panel that powers the outlet. The Nameplate is to be Melamine plastic, 0.125" thick, black or blue with white center core, matte finished surface and square corners. Accurately align lettering and engrave into the white core. Minimum size of outlet nameplates shall be ¾"x 2". Lettering shall be minimum of ¼" high normal block style.

4. Remove the 2 existing electrical outlets and the 2 telephone jacks and their associated electrical boxes and conduits that are in the south wall of the Classroom. Remove the electrical wires and conduits back to the closest junction box. Safe the electrical wires in the junction box. Pull the telephone wires up above the ceiling, coil the wires and attach them to the bar joist. Turn the telephone jacks over to the Contracting Officer.

5. Circuit #2, Power Outlet and Comm. Boxes for the front row of future computer workstations. Extend, from the new conduit and wires run above the Hallway and Classroom ceilings, EMT electrical conduit with compression fittings and wires for 1 each single phase, 110 volt, 20 amp power circuit on the south wall of the Classroom. Circuit #3 is to power a new double-duplex outlet. The outlet and comm. boxes for the front row of workstations are to be located in a 2' wide area starting 2" east of the existing pilaster on the south wall of the Classroom. The outlet cover plate is to match the existing bushed stainless steel outlet covers. All conductors are to be copper wires with THHN or THWN insulation. Ensure that all wires are well marked. Size wires and conduit in accordance with the current edition of the National Electric Code. Attach a laminated plastic nameplate to the Outlet Cover Plate identifying the Circuit #, and Circuit Breaker Panel that powers the outlet. The Nameplate is to be Melamine plastic, 0.125" thick, black or blue with white center core, matte finished surface and square corners. Accurately align lettering and engrave into the white core. Minimum size of outlet nameplates shall be ¾"x 2". Lettering shall be minimum of ¼" high normal block style. The 2 each comm. boxes are to be the same size as Triple-Duplex outlet boxes and are to have blank cover plates. Extend a 1-1/2 inch dia. EMT electrical conduit with compression fittings up inside the wall from each

comm. box. Use a wide sweep 90 deg. elbows to turn the conduits out of the wall above the Hallway ceiling. Install a #12 pull wire in each comm. conduit and plastic bushings on the conduit ends.

6. Circuit #3, Power Outlet and Comm. Boxes for the back row of future computer workstations. Extend, from the new conduit and wires run above the Hallway and Classroom ceilings, EMT electrical conduit with compression fittings and wires for 1 each single phase, 110 volt, 20 amp power circuit on the south wall of the Classroom. Circuit #4 is to power a new double-duplex outlet. The outlet and comm. boxes for the back row of workstations are to be located in a 2' wide area starting 5'-2" east of the existing pilaster on the south wall of the Classroom. The outlet cover plate is to match the existing bushed stainless steel outlet covers. All conductors are to be copper wires with THHN or THWN insulation. Ensure that all wires are well marked. Size wires and conduit in accordance with the current edition of the National Electric Code. Attach a laminated plastic nameplate to the Outlet Cover Plate identifying the Circuit #, and Circuit Breaker Panel that powers the outlet. The Nameplate is to be Melamine plastic, 0.125" thick, black or blue with white center core, matte finished surface and square corners. Accurately align lettering and engrave into the white core. Minimum size of outlet nameplates shall be ¾"x 2". Lettering shall be minimum of ¼" high normal block style. The 2 each comm. boxes are to be the same size as Triple-Duplex outlet boxes and are to have blank cover plates. Extend a 1-1/2 inch dia. EMT electrical conduit with compression fittings up inside the wall from each comm. box. Use a wide sweep 90 deg. elbows to turn the conduits out of the wall above the Hallway ceiling. Install a #12 pull wire in each comm. conduit and plastic bushings on the conduit ends.

7. Since the existing wallboard in the area where the electrical outlets and comm. boxes are to be install will be cut up considerably by the installation, a new sheet of ½" thick gypsum wallboard is to be applied directly over the existing wallboard between the existing pilaster and the new bulkhead wall around the pipe column. The new outlets and comm. boxes in this area are to be extended out from the existing wall to compensate for the new layer of wallboard.

8. Install a new duplex electrical outlet above the Classroom ceiling for a future ceiling mounted projector. Attach the outlet box to the underside of a bar joist in the approximately 7' from the south wall and 14' from the west wall of the Classroom. This outlet is to be powered by Circuit #1. Extend, from the new Circuit #1 outlets in the Computer Room, EMT electrical conduits with compression fittings and wires to the outlet above the Classroom ceiling. All conductors are to be copper wires with THHN or THWN insulation. Ensure that all wires are well marked. Size wires and conduit in accordance with the current edition of the National Electric Code. Attach a laminated plastic nameplate to the Outlet Cover Plate identifying the Circuit #, and Circuit Breaker Panel that powers the outlet. The Nameplate is to be Melamine plastic, 0.125" thick, black or blue with white center core, matte finished surface and square corners. Accurately align lettering and engrave into the white core. Minimum size of outlet nameplates shall be ¾"x 2". Lettering shall be minimum of ¼" high normal block style.

9. Install a new electrical switch on the west wall of the Classroom and south of the Computer Room door. The new switch is to turn the new outlet above the Classroom ceiling on and off. The new switch is to be similar to the existing light switches in the Wing Plans Office and the Computer Room. The switch cover plate is to match the existing bushed stainless steel switch cover plates. Wires to the new switch are to be in EMT electrical conduits with compression fittings. The wires are to be copper with THHN or THWN insulation. Ensure that all wires are

well marked. Size wires and conduit in accordance with the current edition of the National Electric Code.

10. Install 2 new electrical light switches on the south wall of the Classroom next to the new door. Rewire the existing lights on the Classroom side of the Accordion Partition so that they are switched on and off by the new switches. The new switches are to be similar to the existing light switches in the Wing Plans Office and the Computer Room. The switch cover plate is to match the existing bushed stainless steel switch cover plates. Wires to the new switches are to be in EMT electrical conduits with compression fittings. The wires are to be copper with THHN or THWN insulation. Ensure that all wires are well marked. Size wires and conduit in accordance with the current edition of the National Electric Code. See the Reflected Ceiling Plan Drawing for switching instructions.

11. Rewire the existing lights on the Wing Plans Office side of the Accordion Partition so that they are switched on and off by the 2 existing switches next to the existing door to the Hallway. Any new wires are to be copper with THHN or THWN insulation. Ensure that all wires are well marked. New wires and conduit are to be sized in accordance with the current edition of the National Electric Code. See the Reflected Ceiling Plan Drawing for switching instructions.

12. Circuit #4 is to be a spare. Safe the wires for Circuit #4 in a junction box at the end of the conduit run down the Hallway from the Telephone Equipment Room. Size the wires in accordance with the current edition of the National Electric Code for a full 20 amp load and an extension of an additional 200 feet. Identify the wires as to circuit number and circuit breaker panel name. On the cover of the junction box, attach a laminated plastic nameplate identifying the Circuit Numbers of the wires run in the box and the name of the Circuit Breaker Panel that powers them. The Nameplate is to be Melamine plastic, 0.125" thick, black or blue with white center core, matte finished surface and square corners. Accurately align lettering and engrave into the white core. Minimum size of the junction box nameplate shall be 1"x 2.5". Lettering shall be minimum of 0.50" high normal block style.

13. *Deleted.*

14. *Deleted.*